

Figure 1

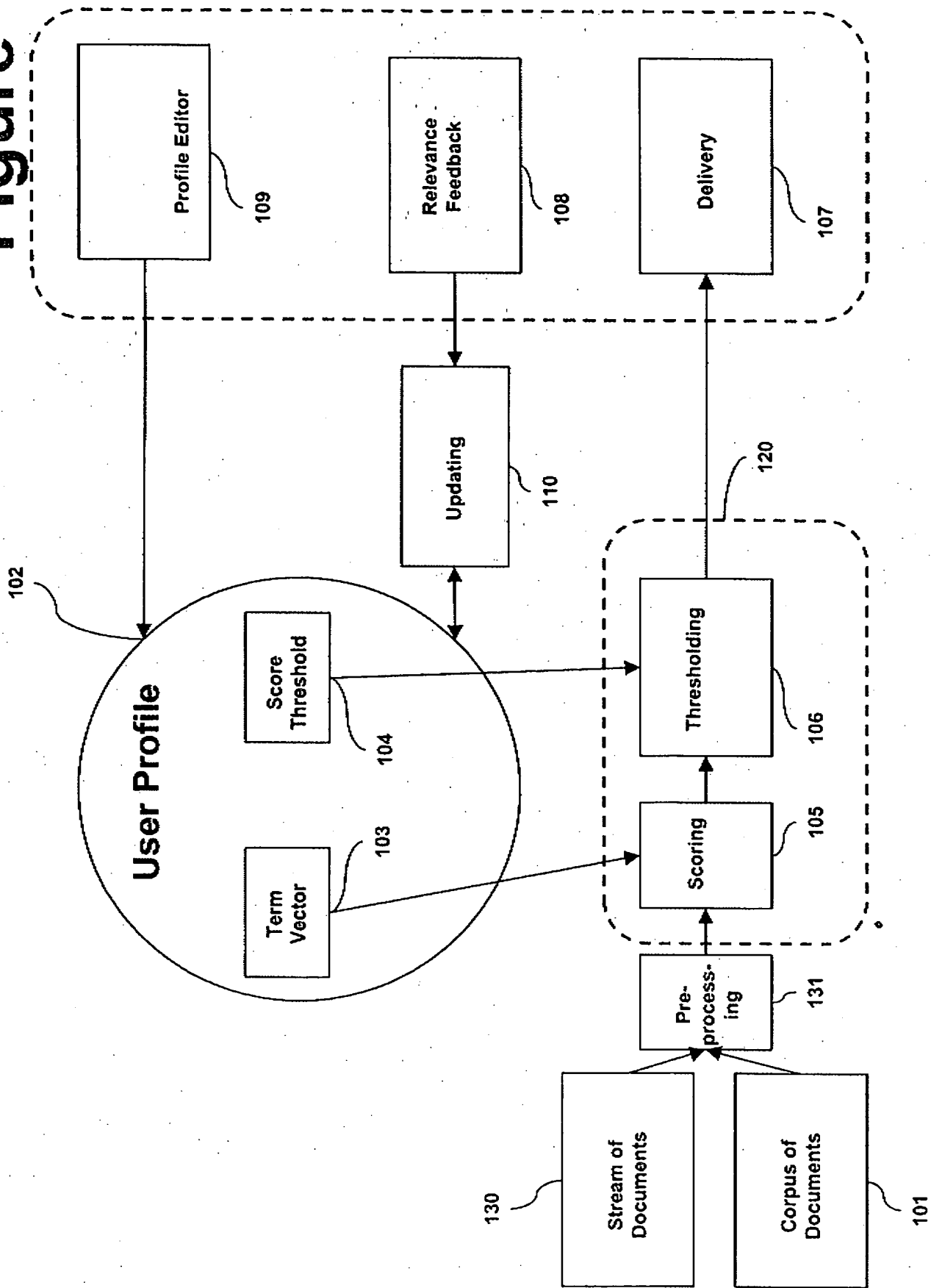


Figure 2(a)

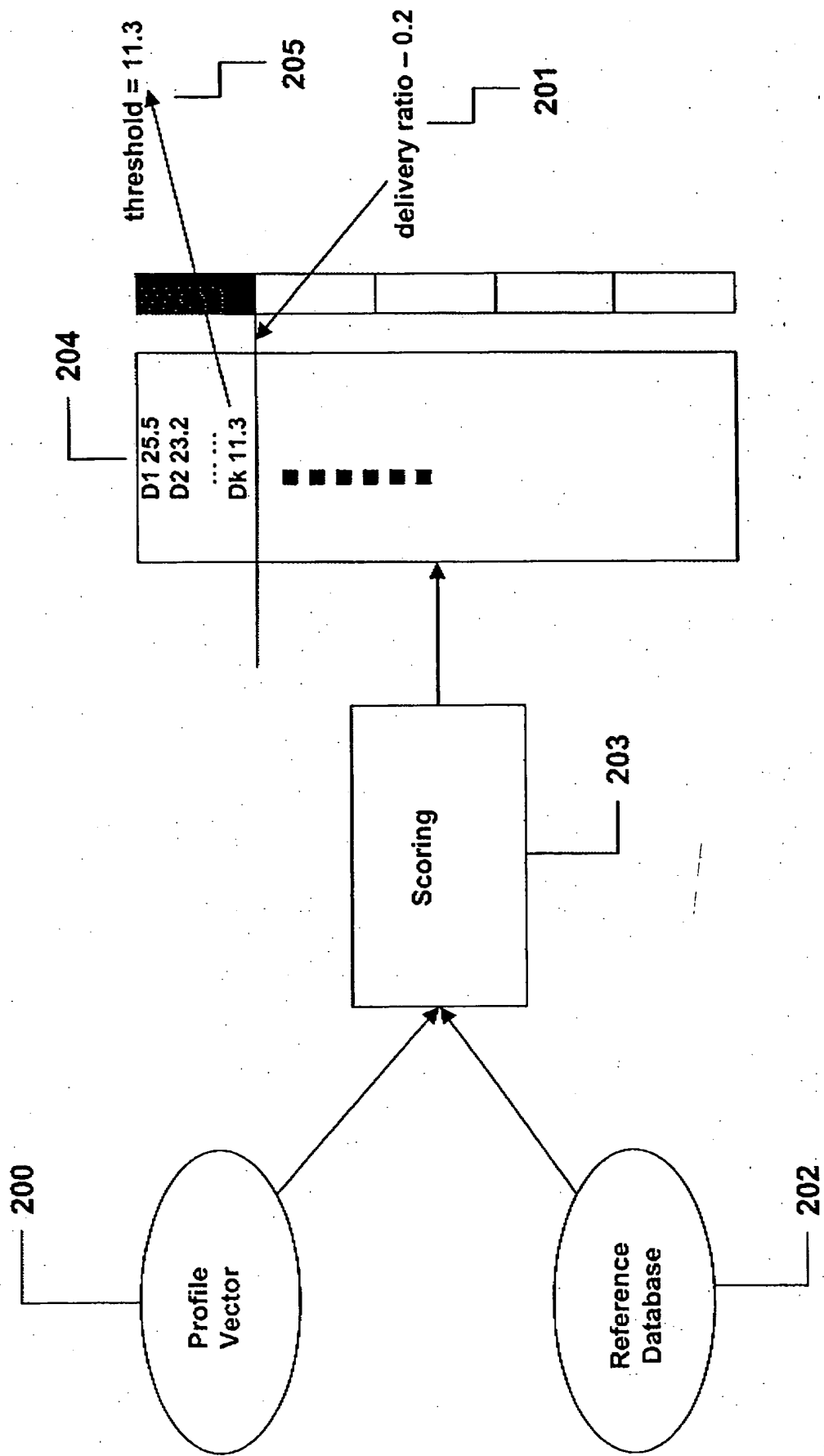


Figure 2(b)

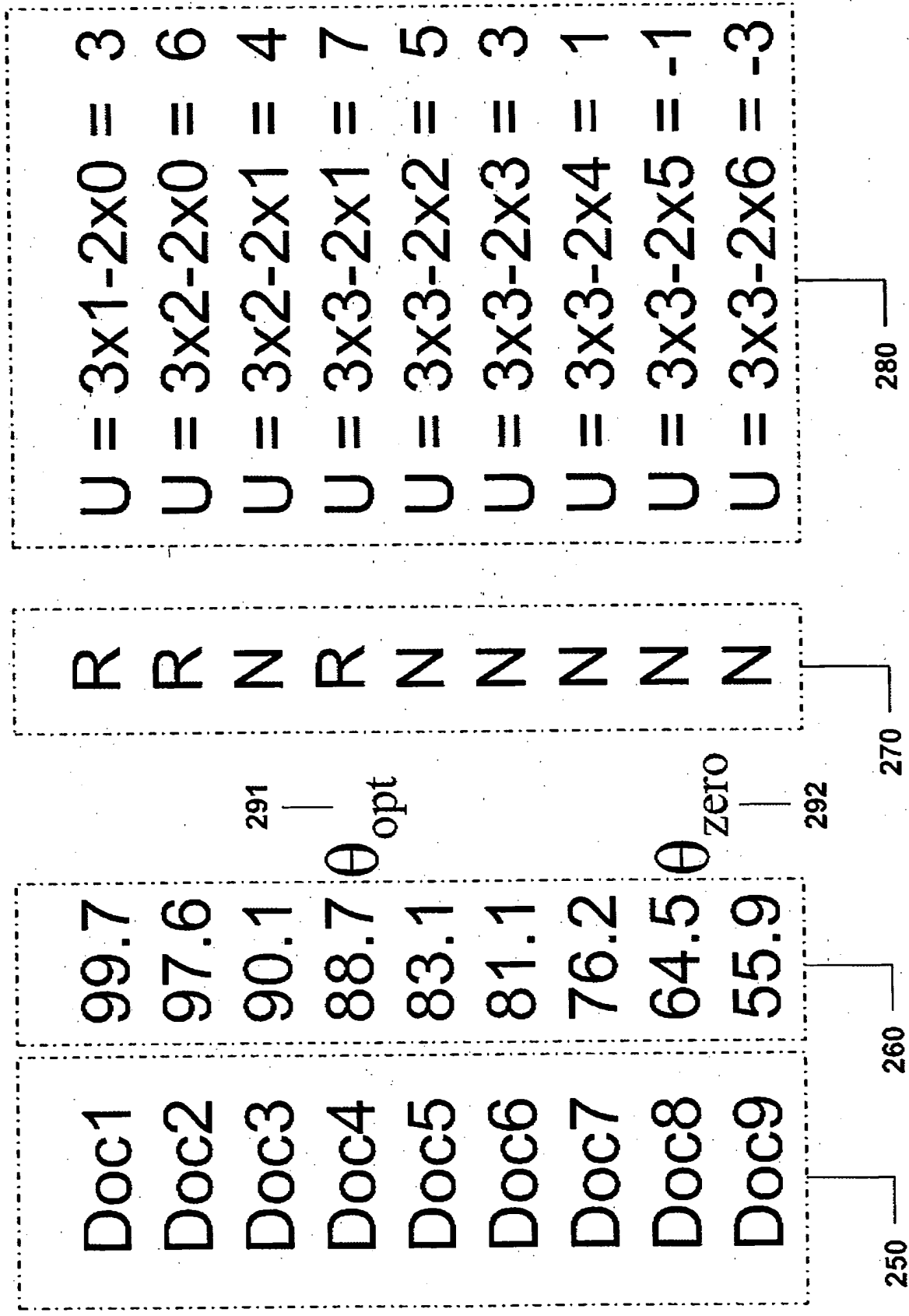


Figure 3

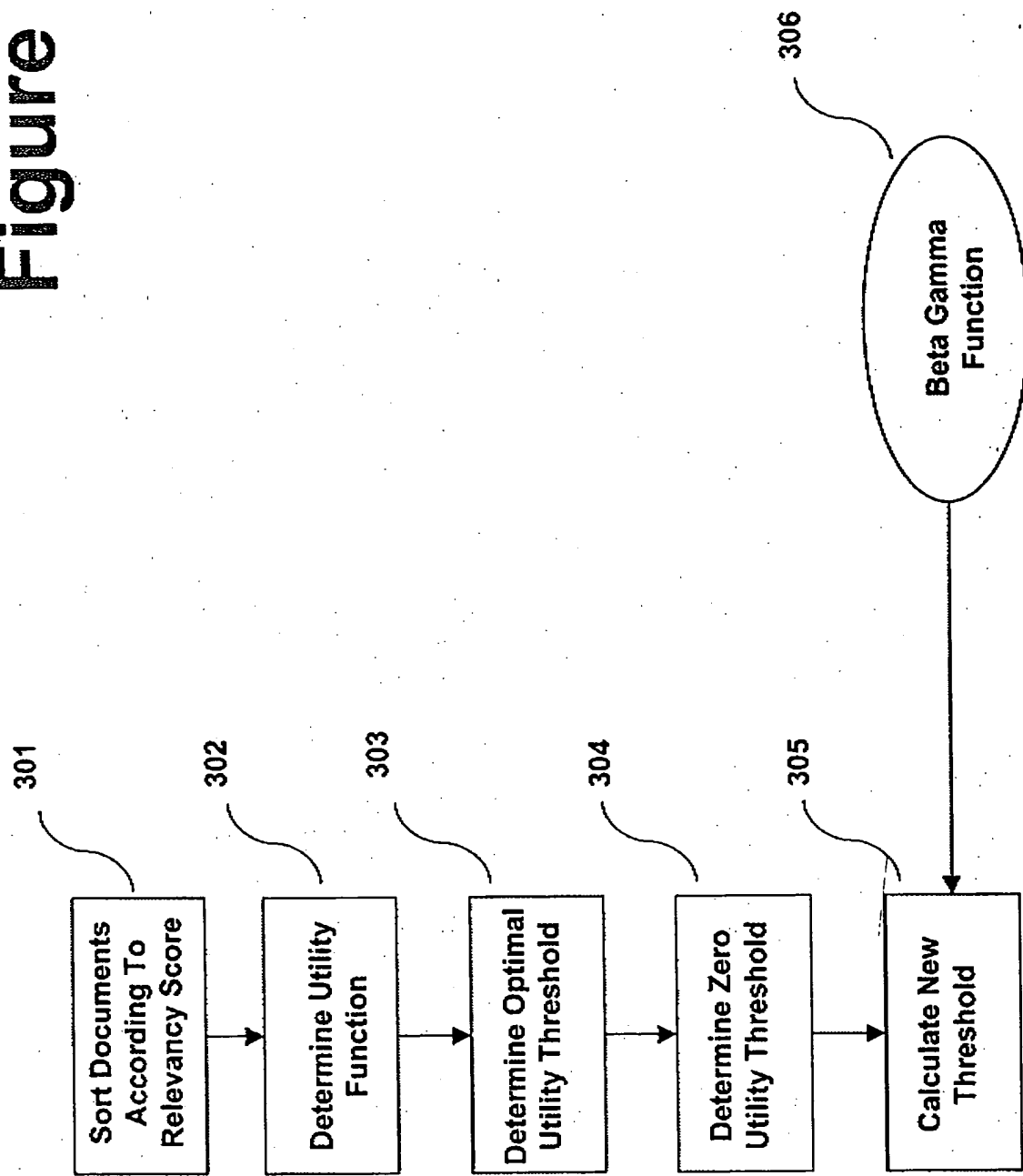
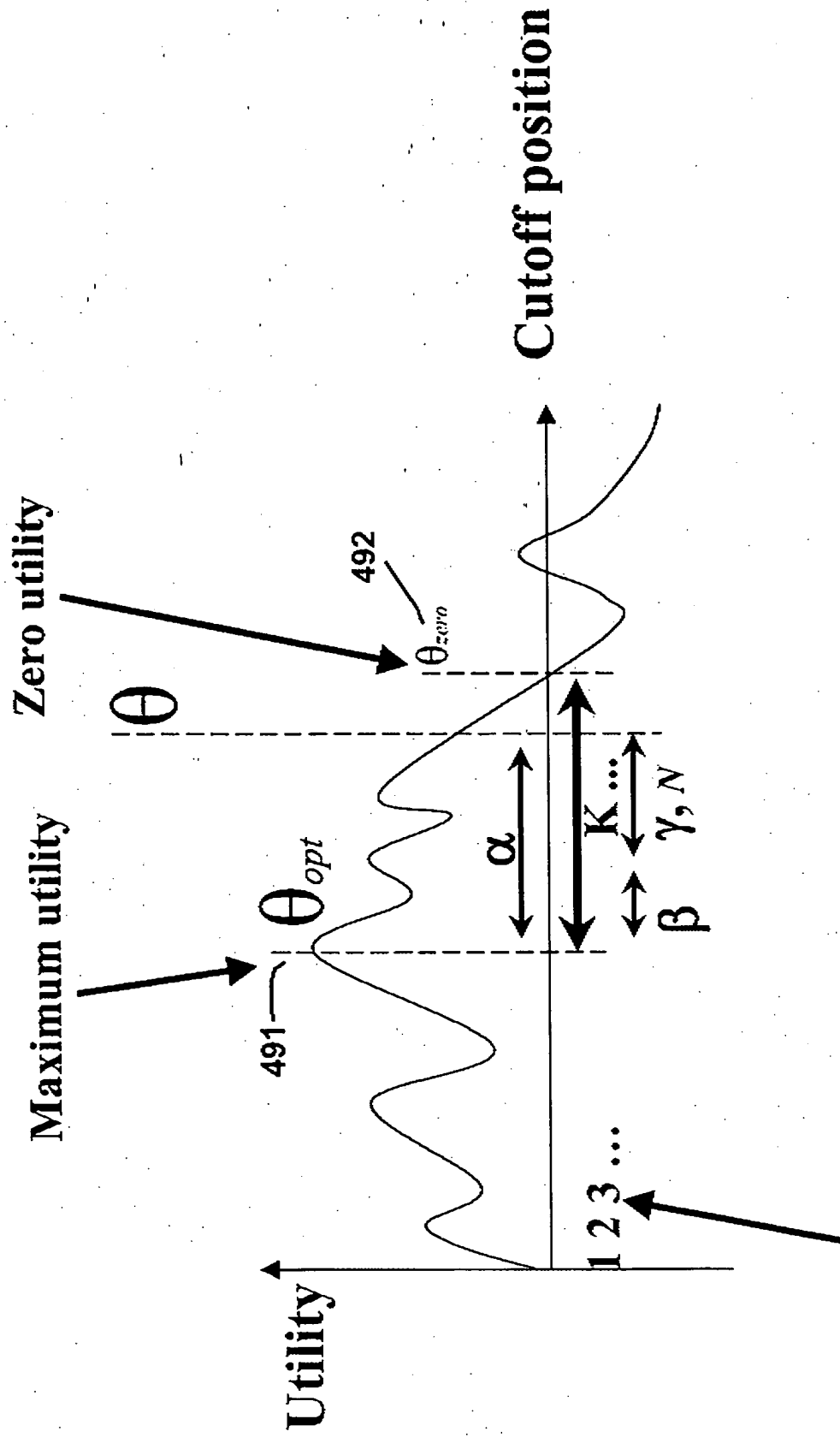


Figure 4



A Ranked list of documents returned for a profile

Figure 5(a)

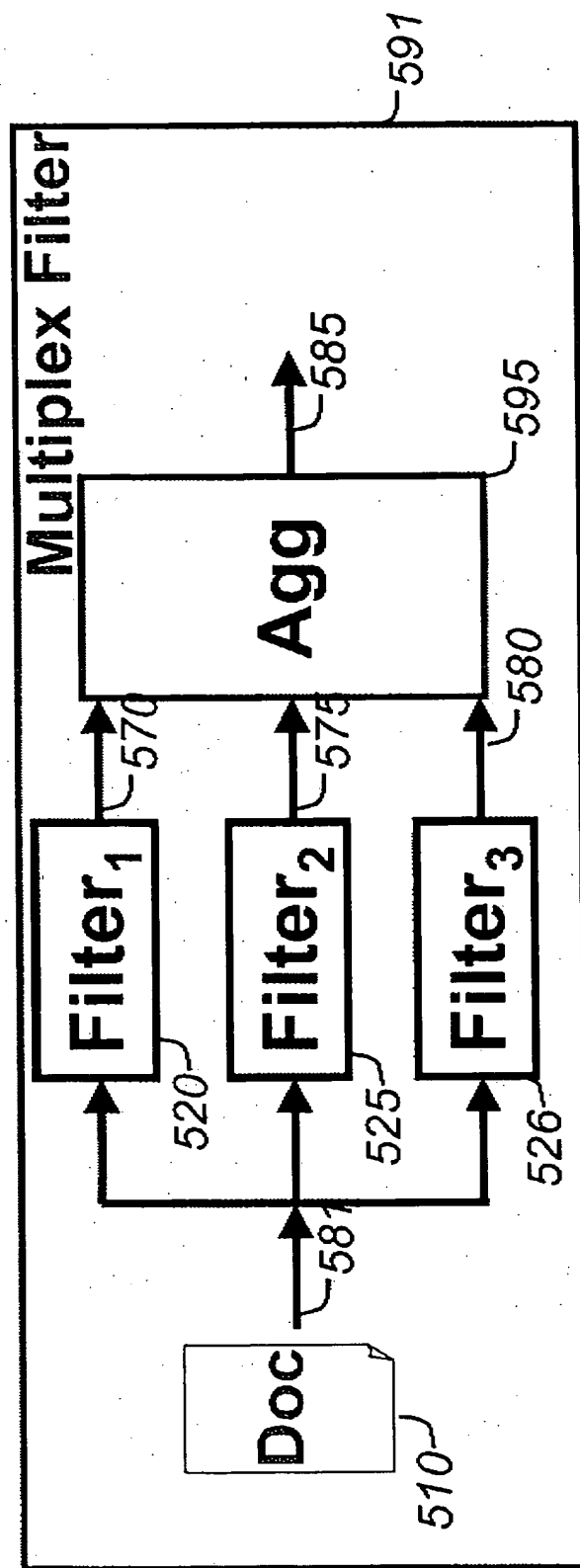


Figure 5(b)

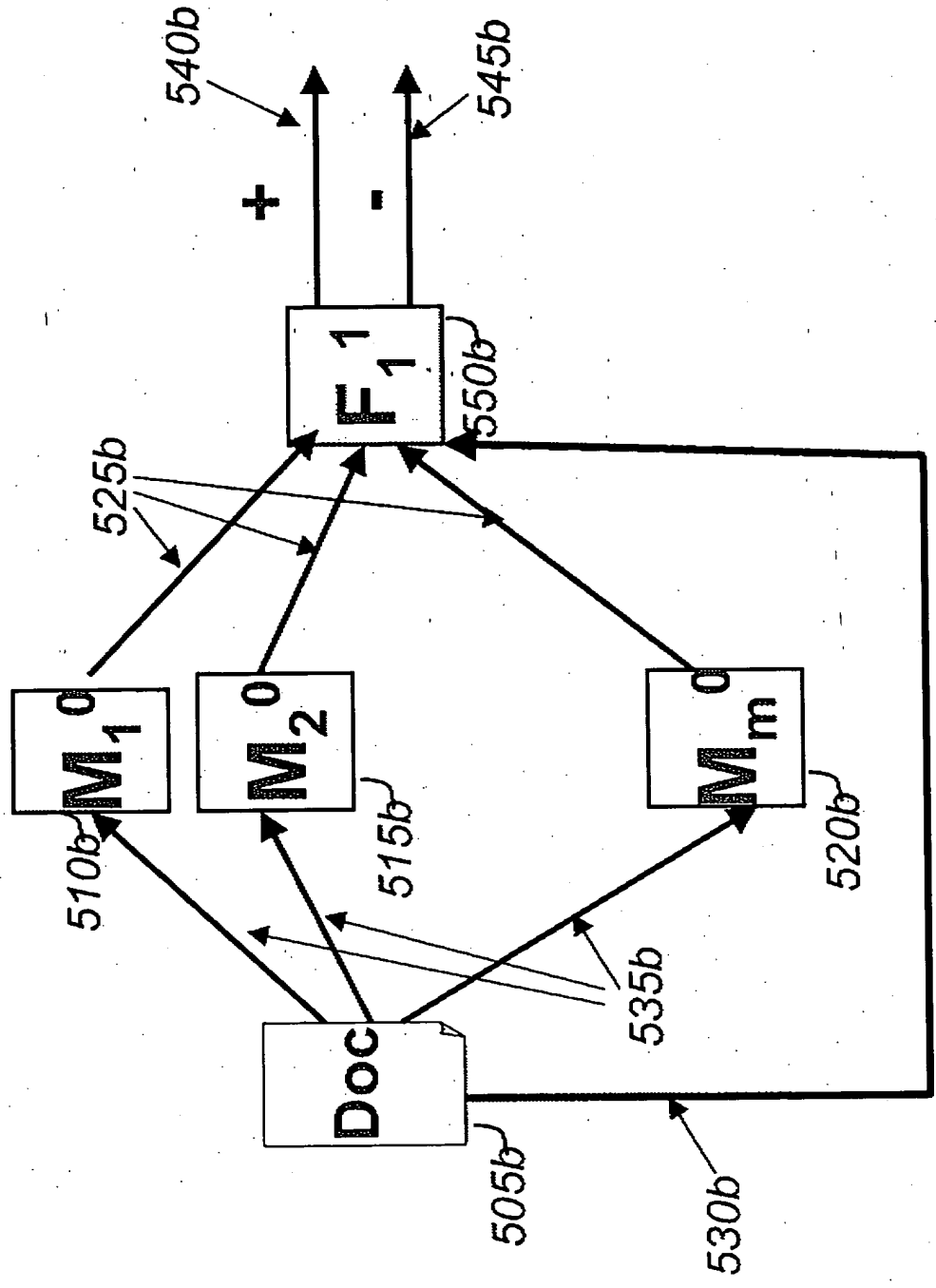


Figure 5(c)

| Doc ID | $F1_D$ | $F2_D$ | \dots | Ff_D | $M1_1^0$ | $M1_2^0$ | \dots | $M1_m^0$ | label |
|--------|--------|--------|---------|--------|----------|----------|---------|----------|-------|
| 1 | | | | | | | | | |
| 2 | | | | | | | | | |
| 3 | | | | | | | | | |
| ... | | | | | | | | | |
| L | | | | | | | | | |

515c →

530c →

540c →

510c →

520c →

Figure 5(d)

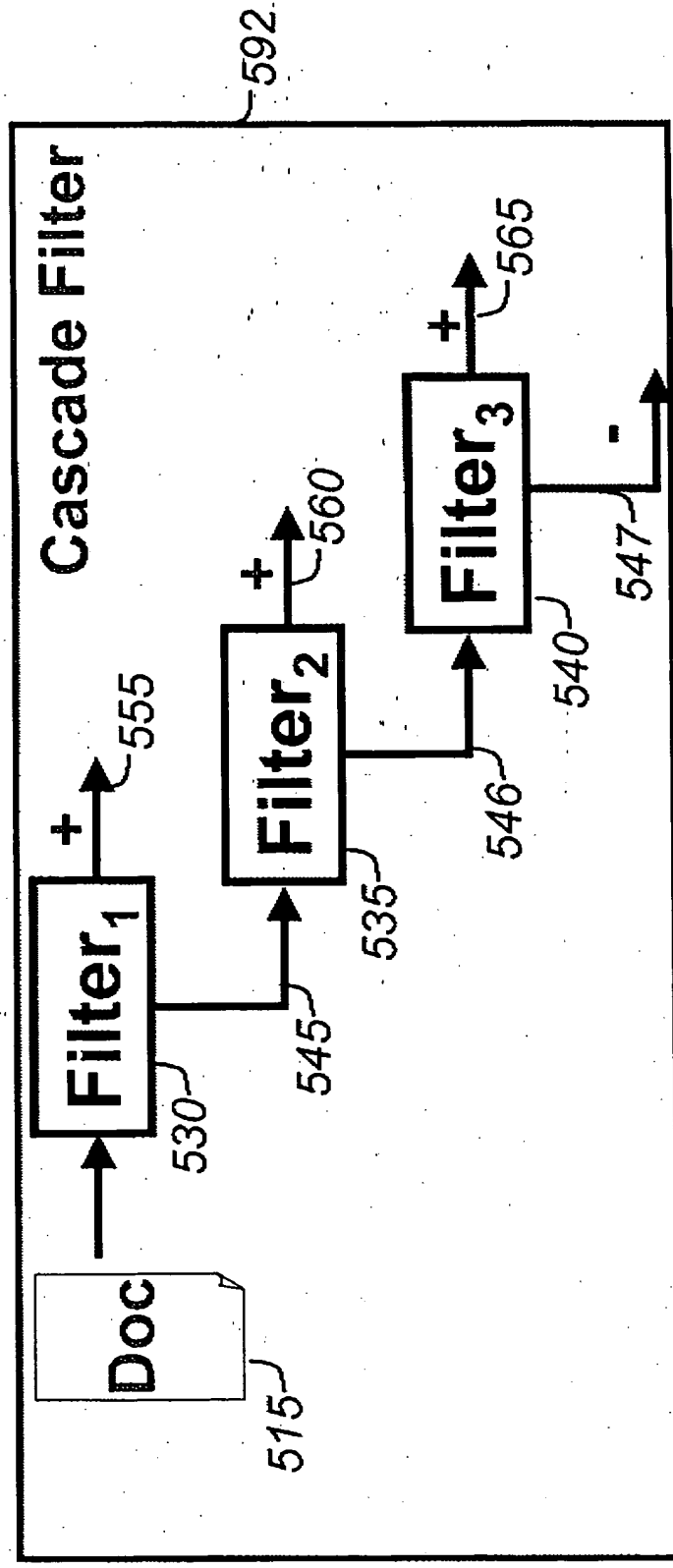


Figure 5(e)

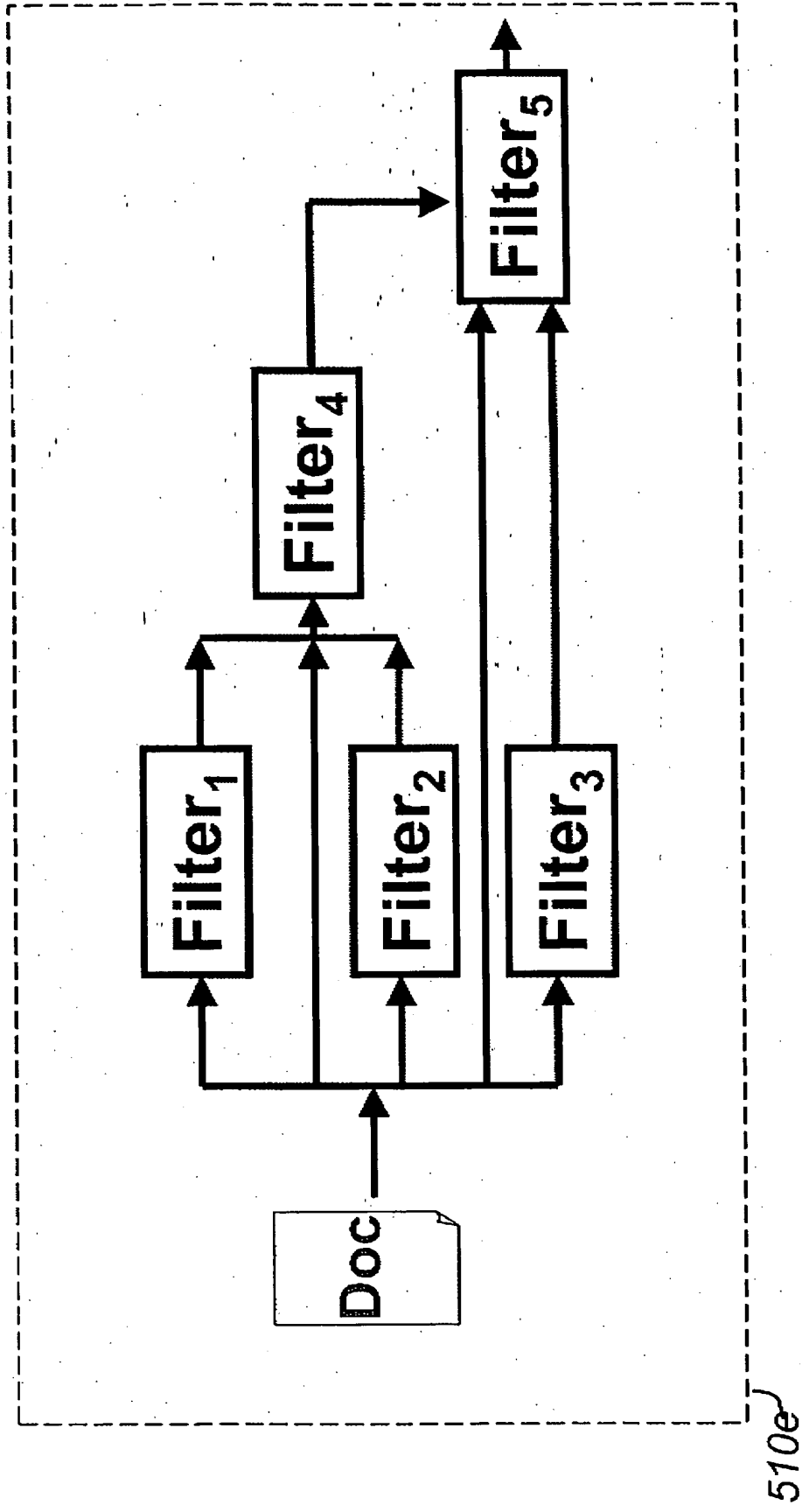


Figure 6

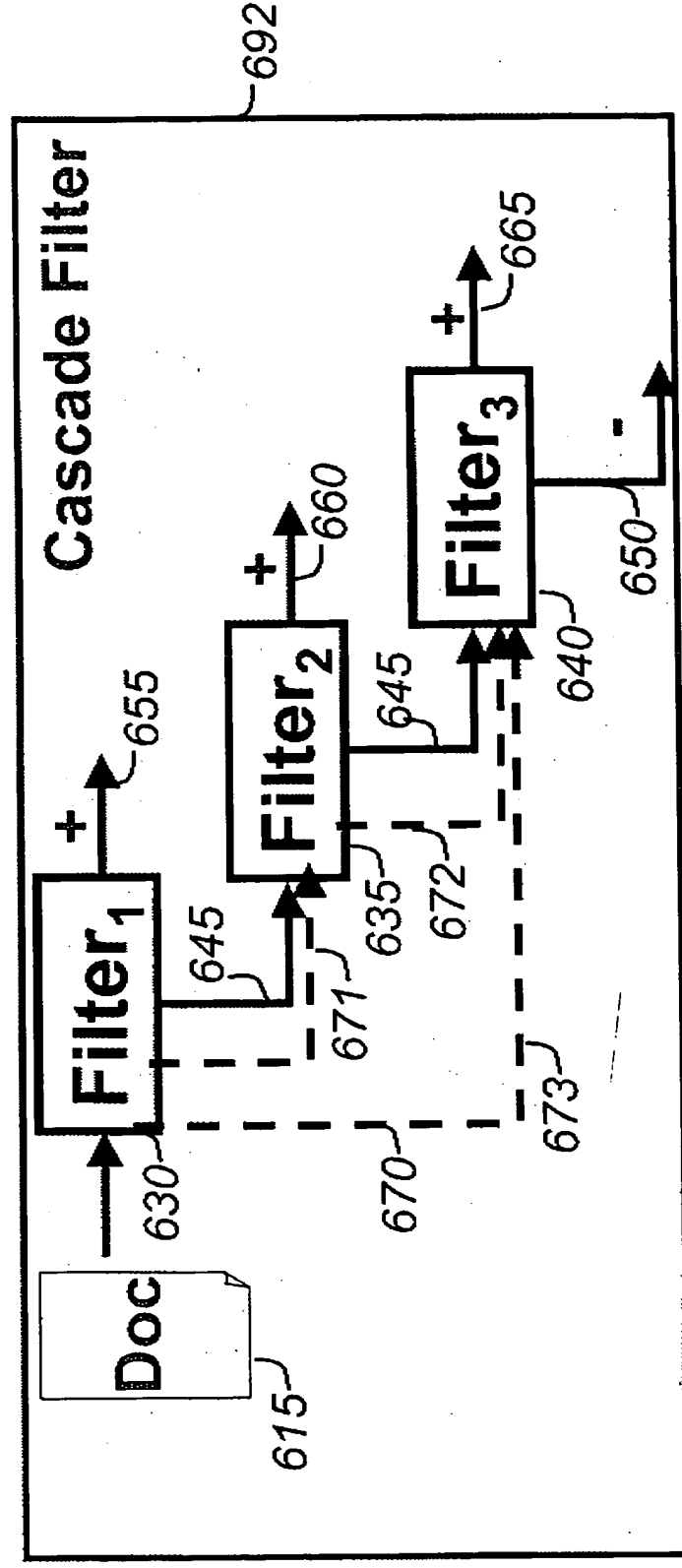


Figure 7

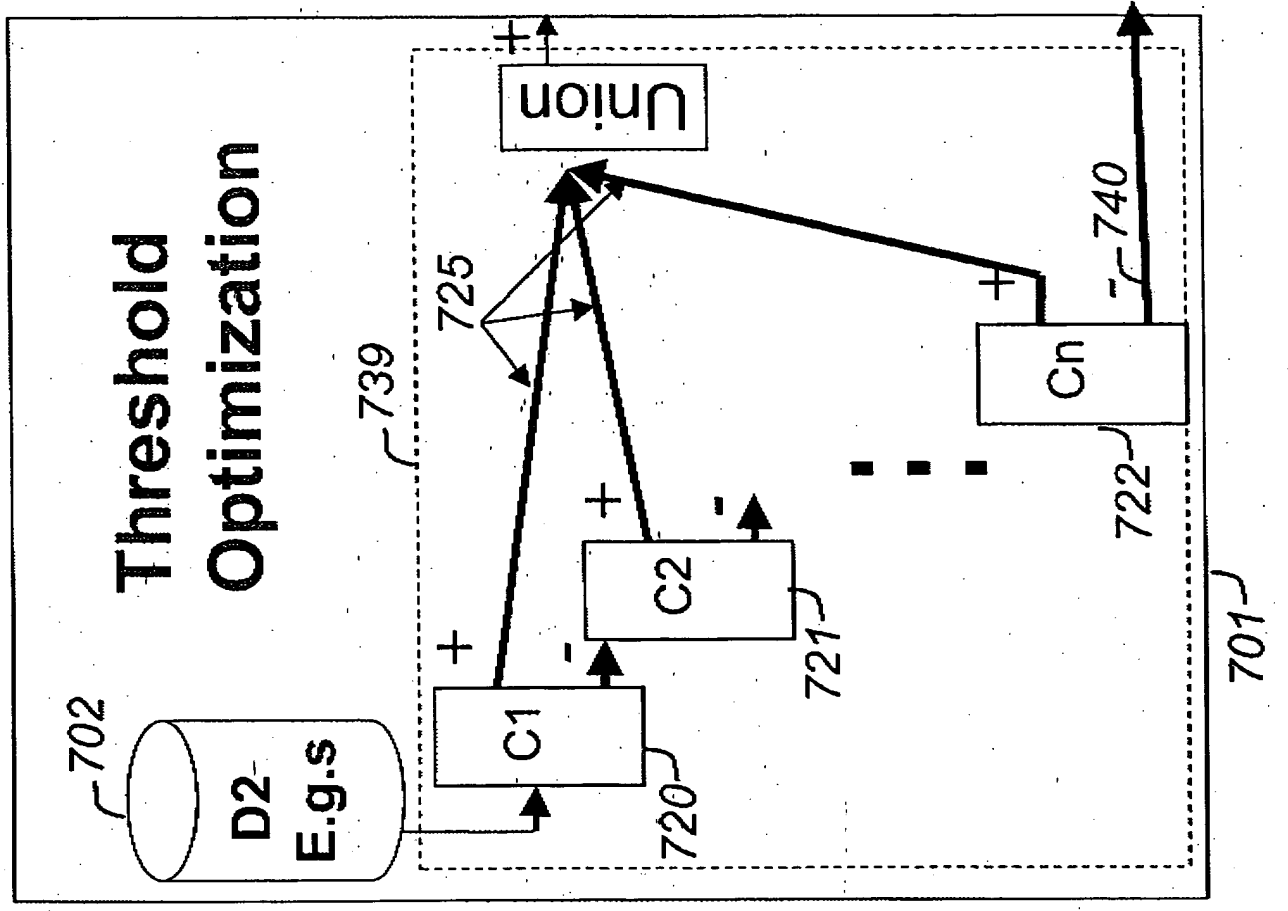
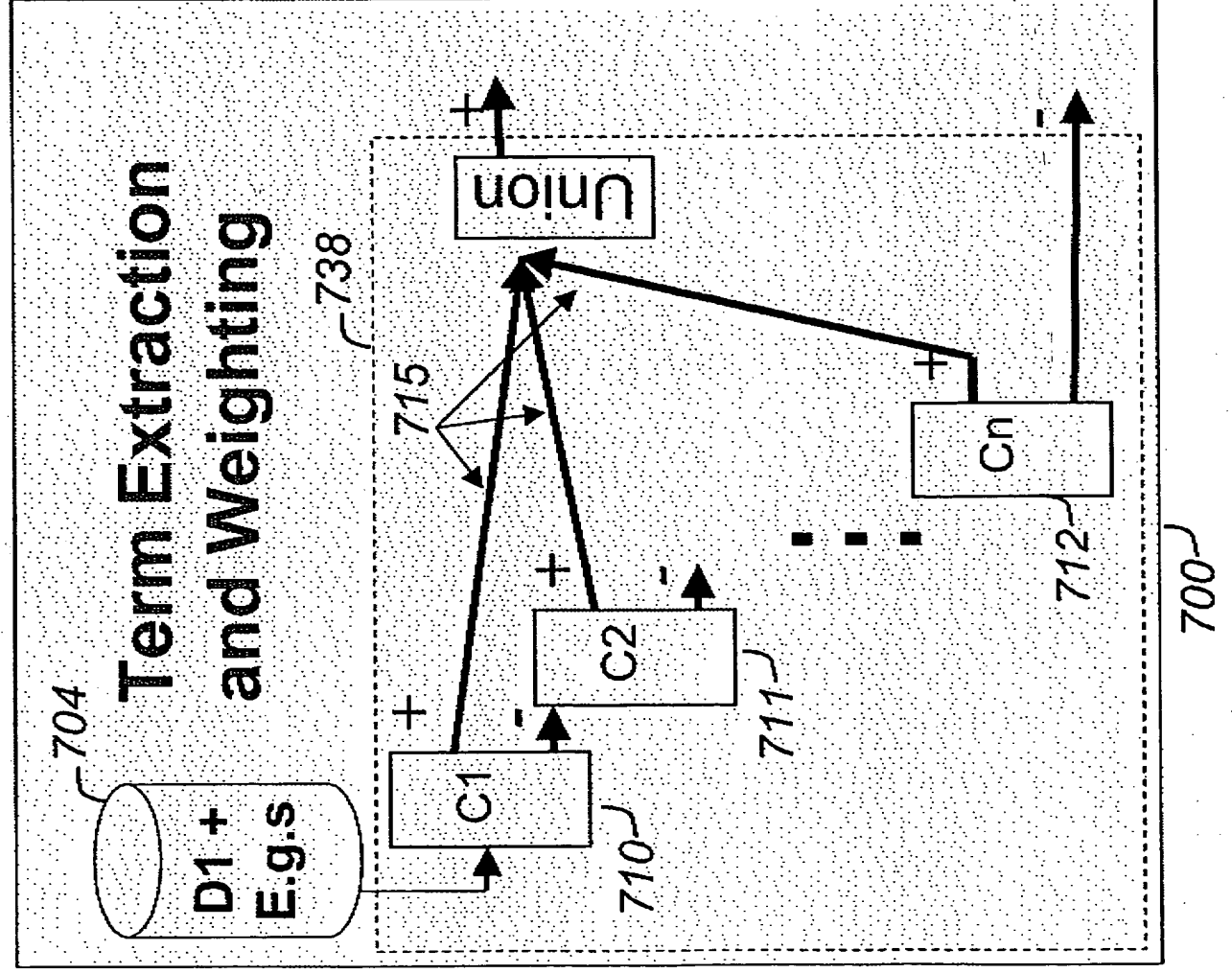
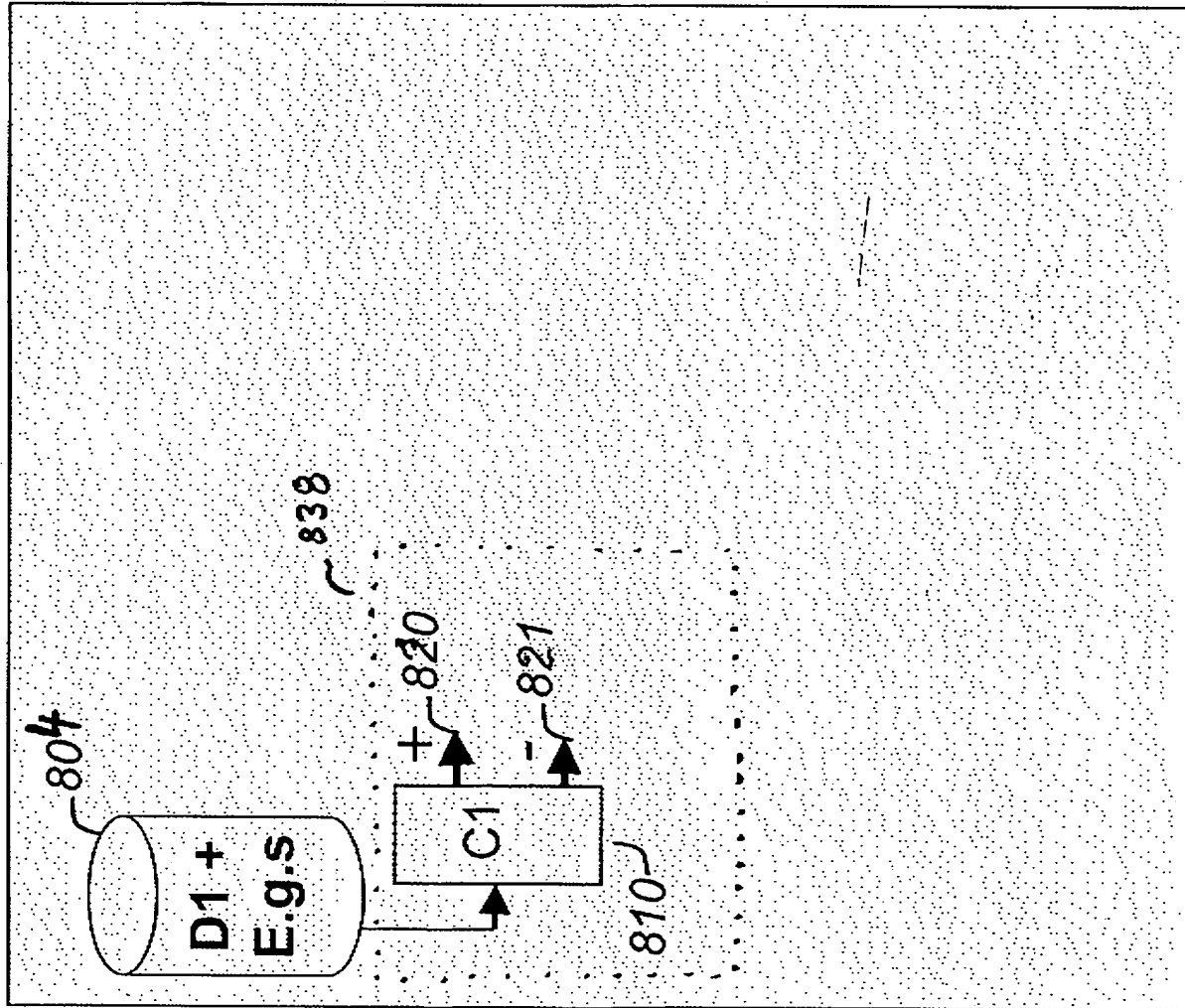
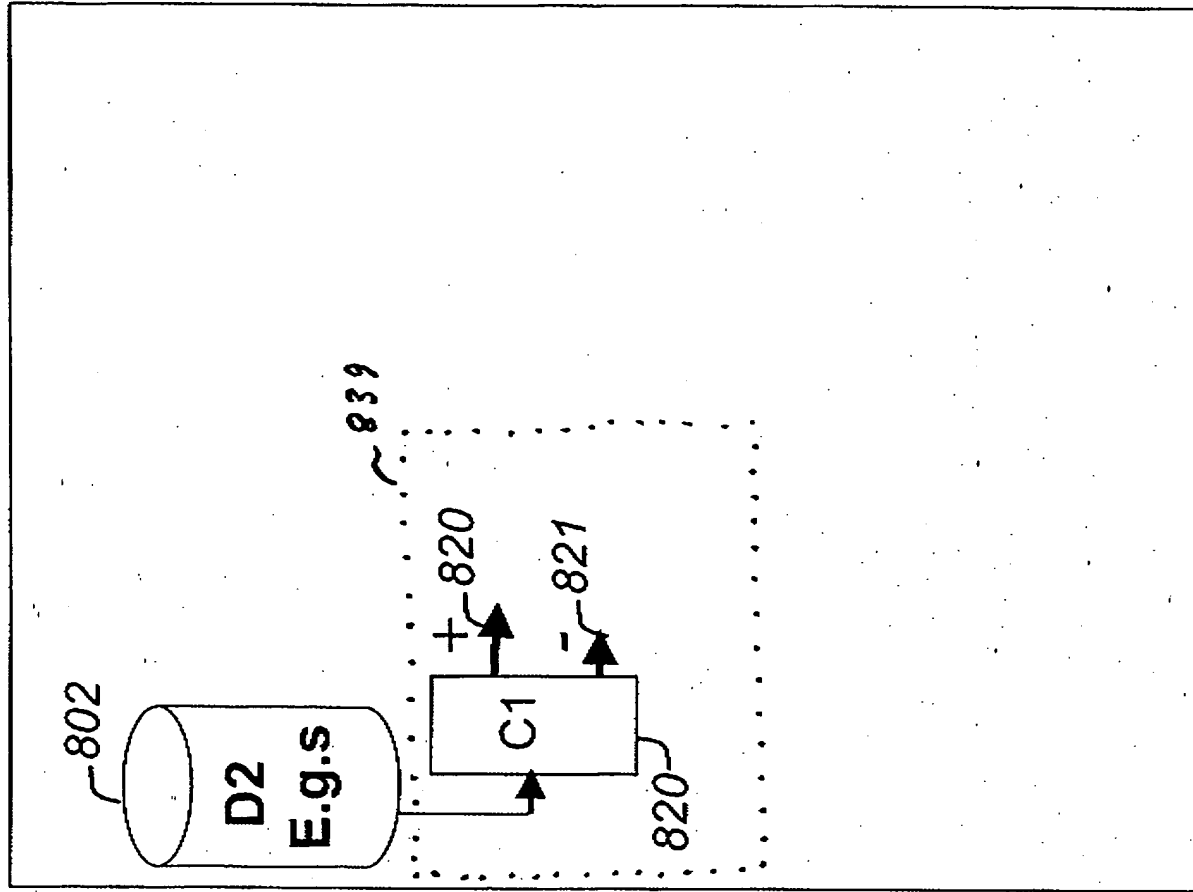


Figure 8



800



801

Figure 9

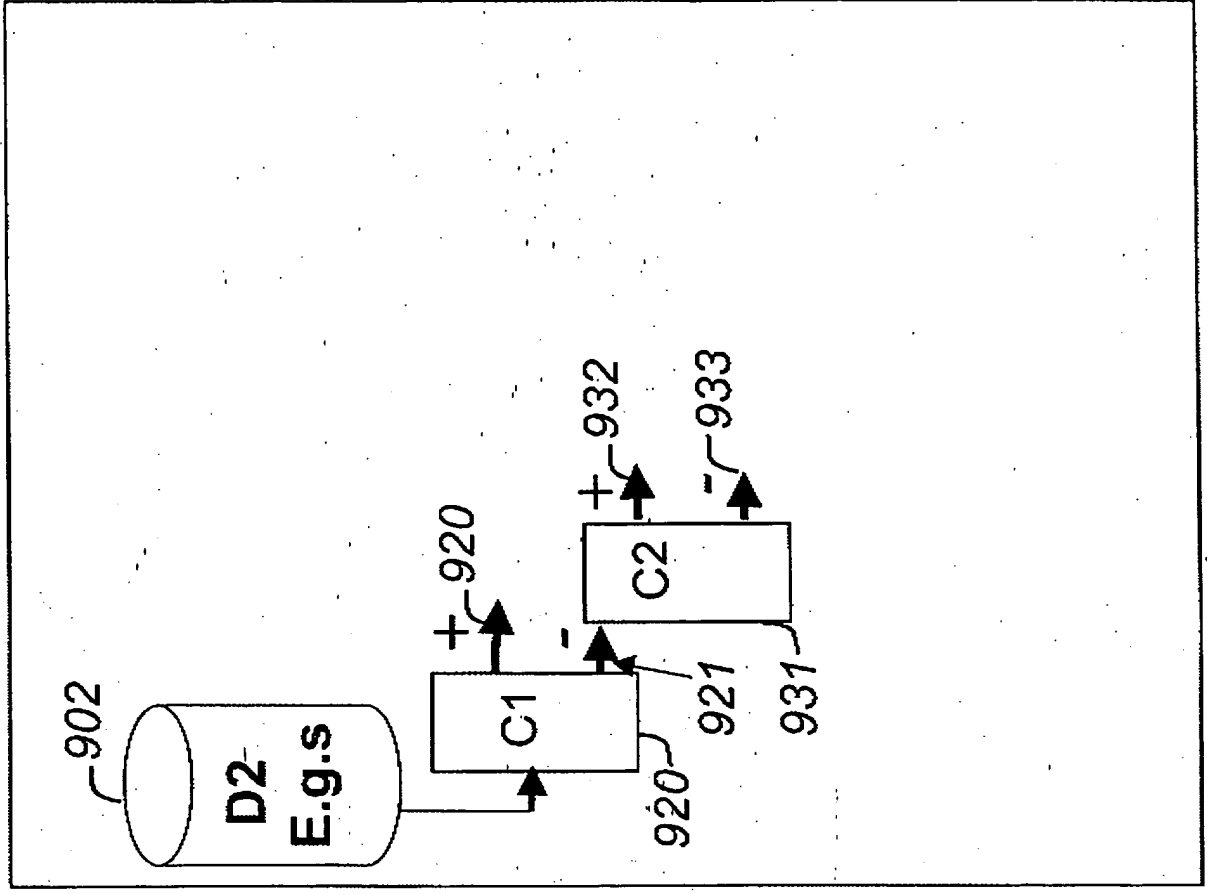
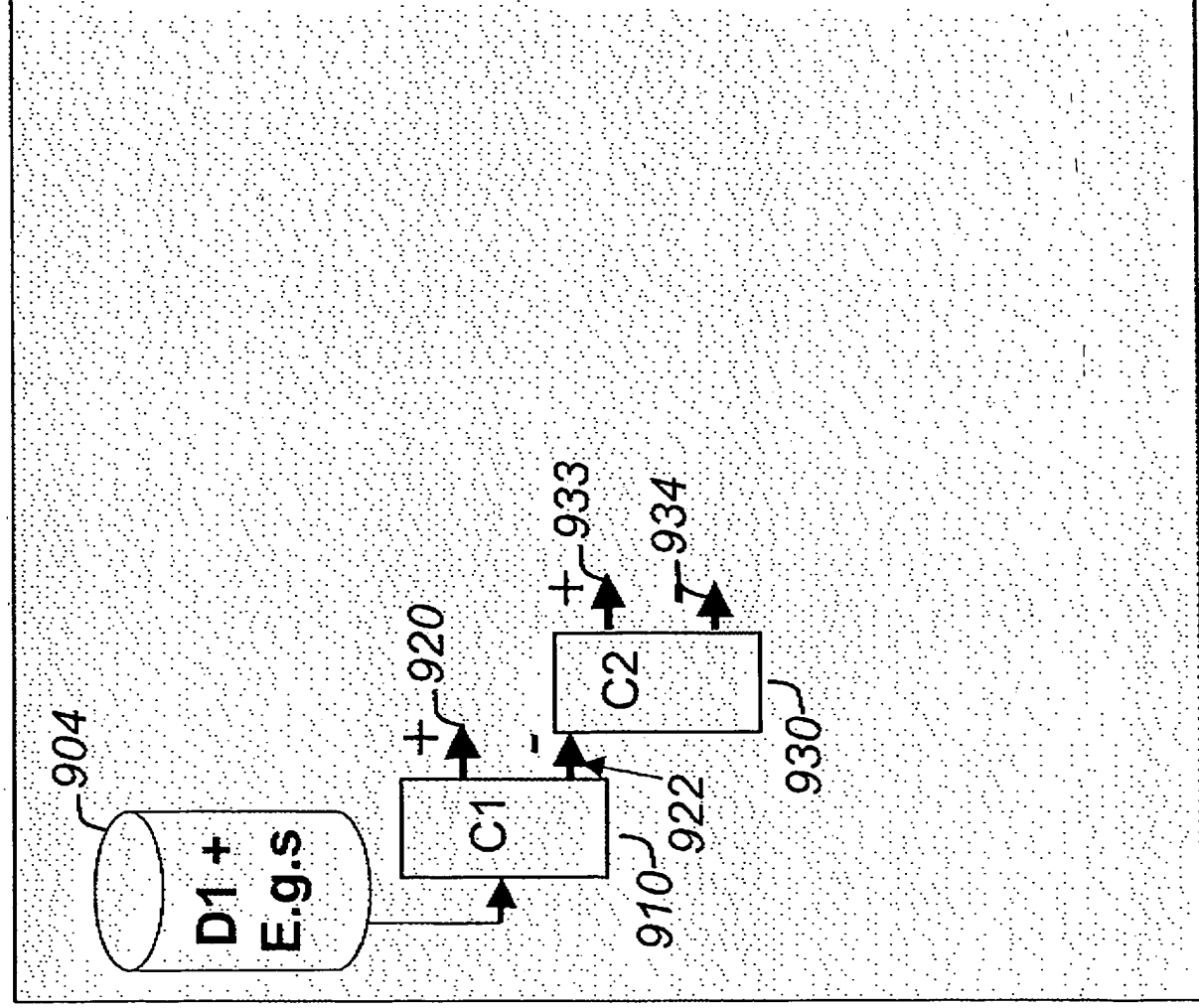
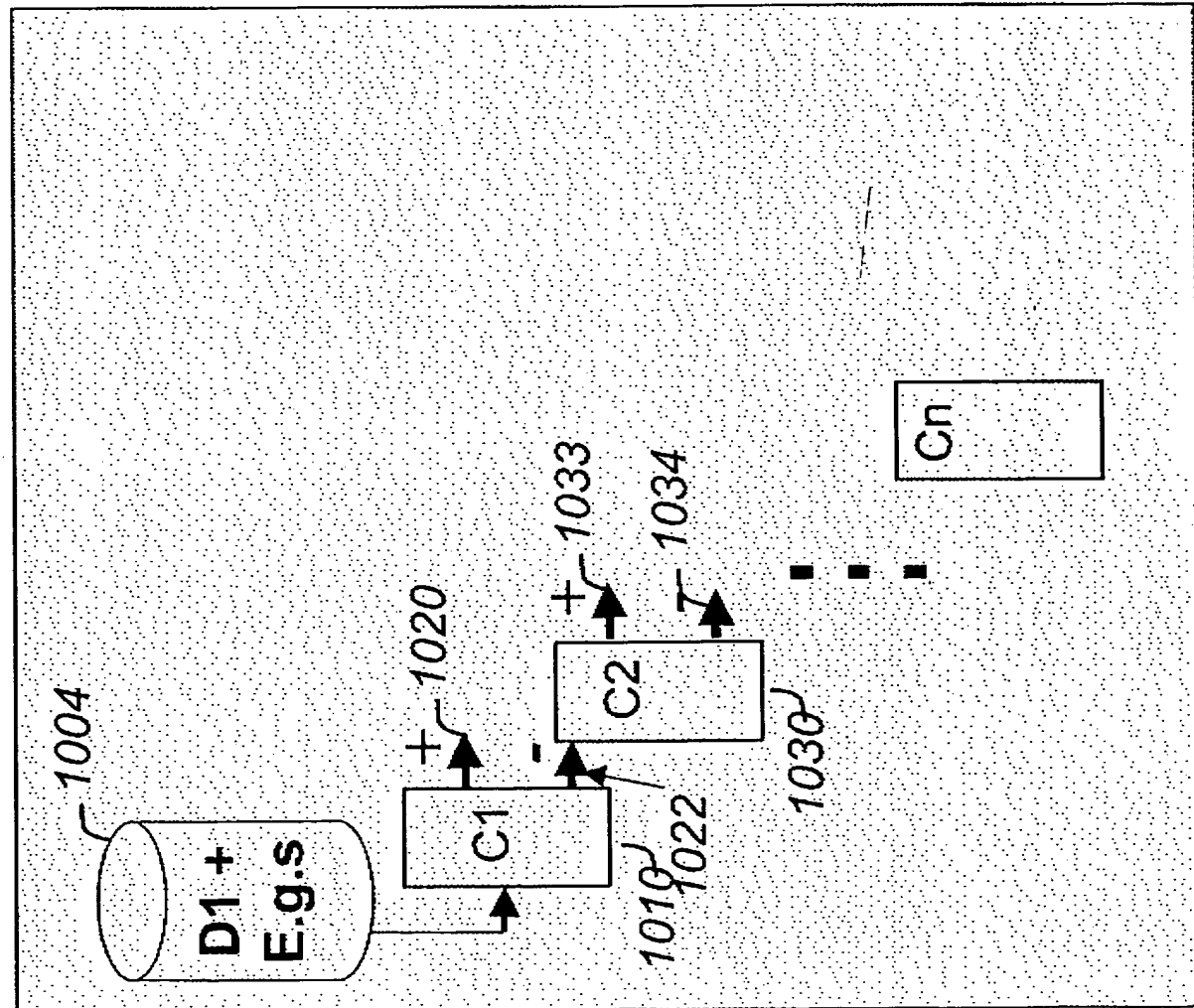
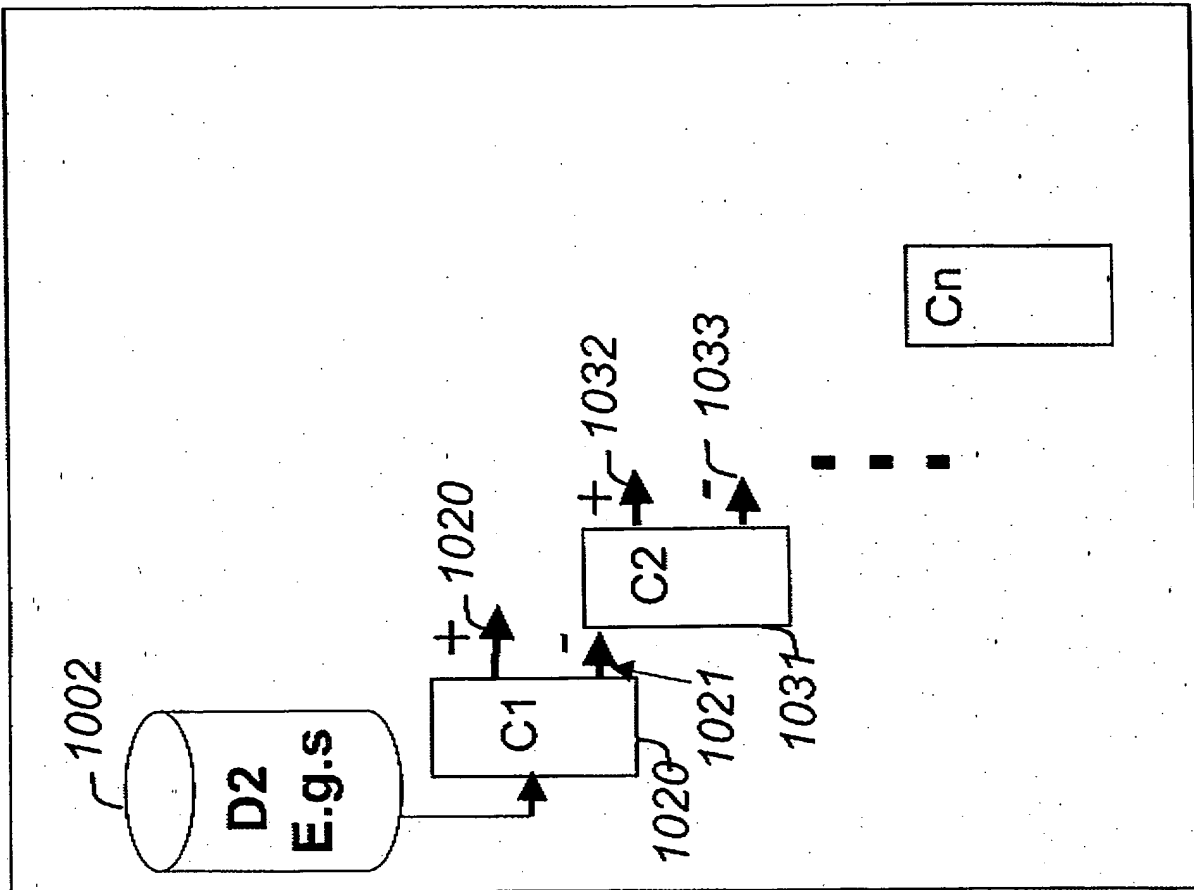


Figure 10



1000



1001

Figure 11

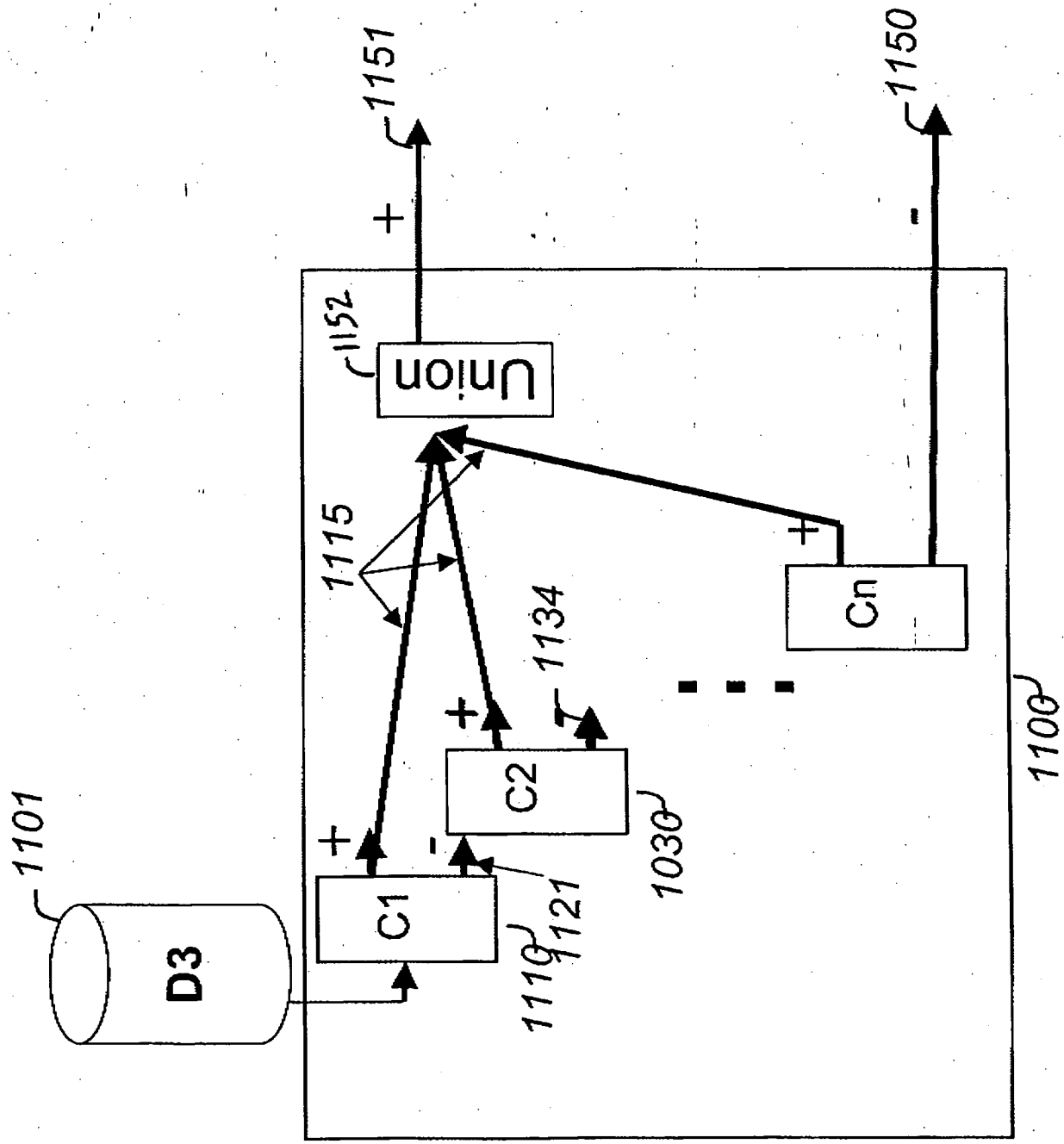


Figure 12a

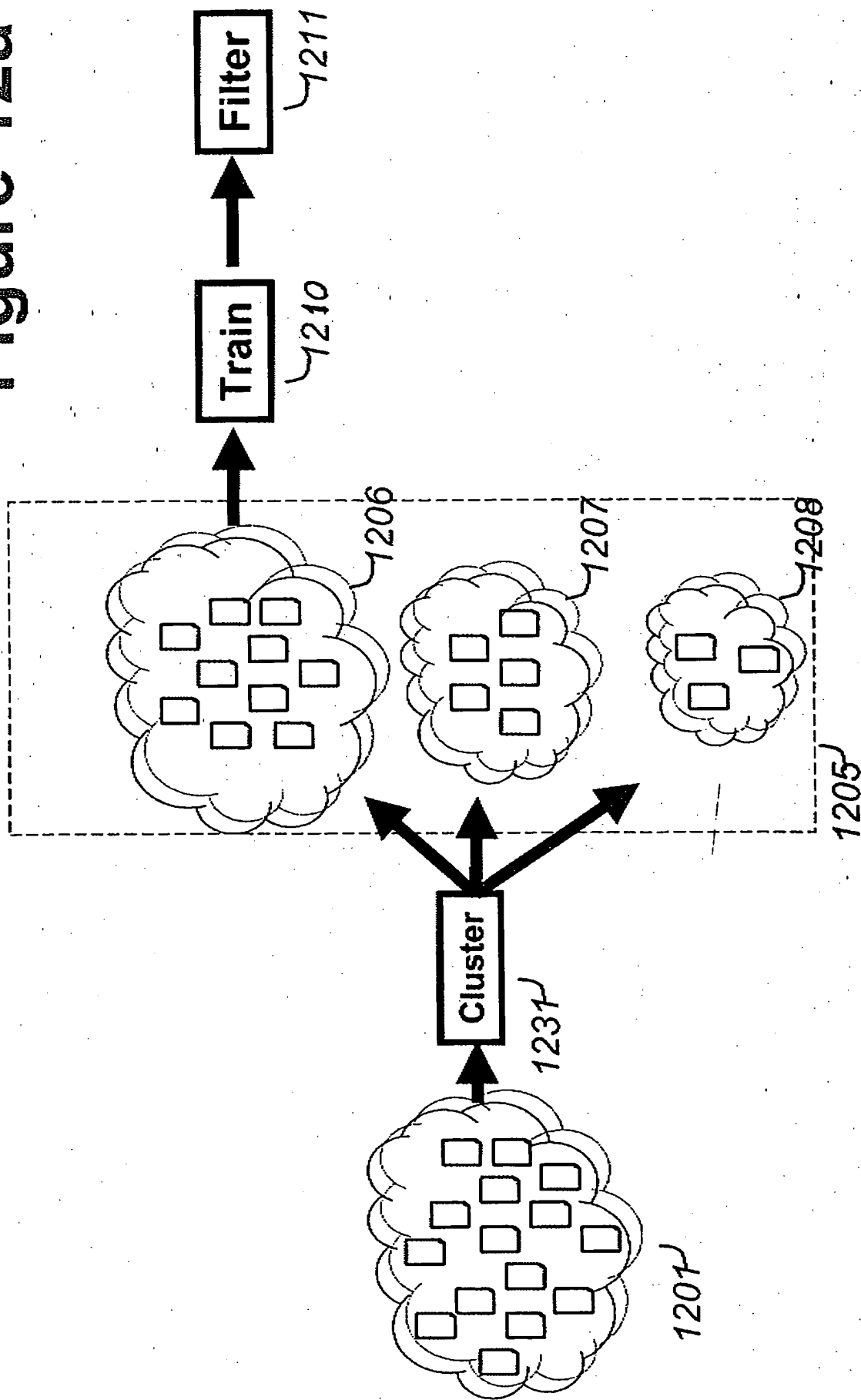


Figure 12b

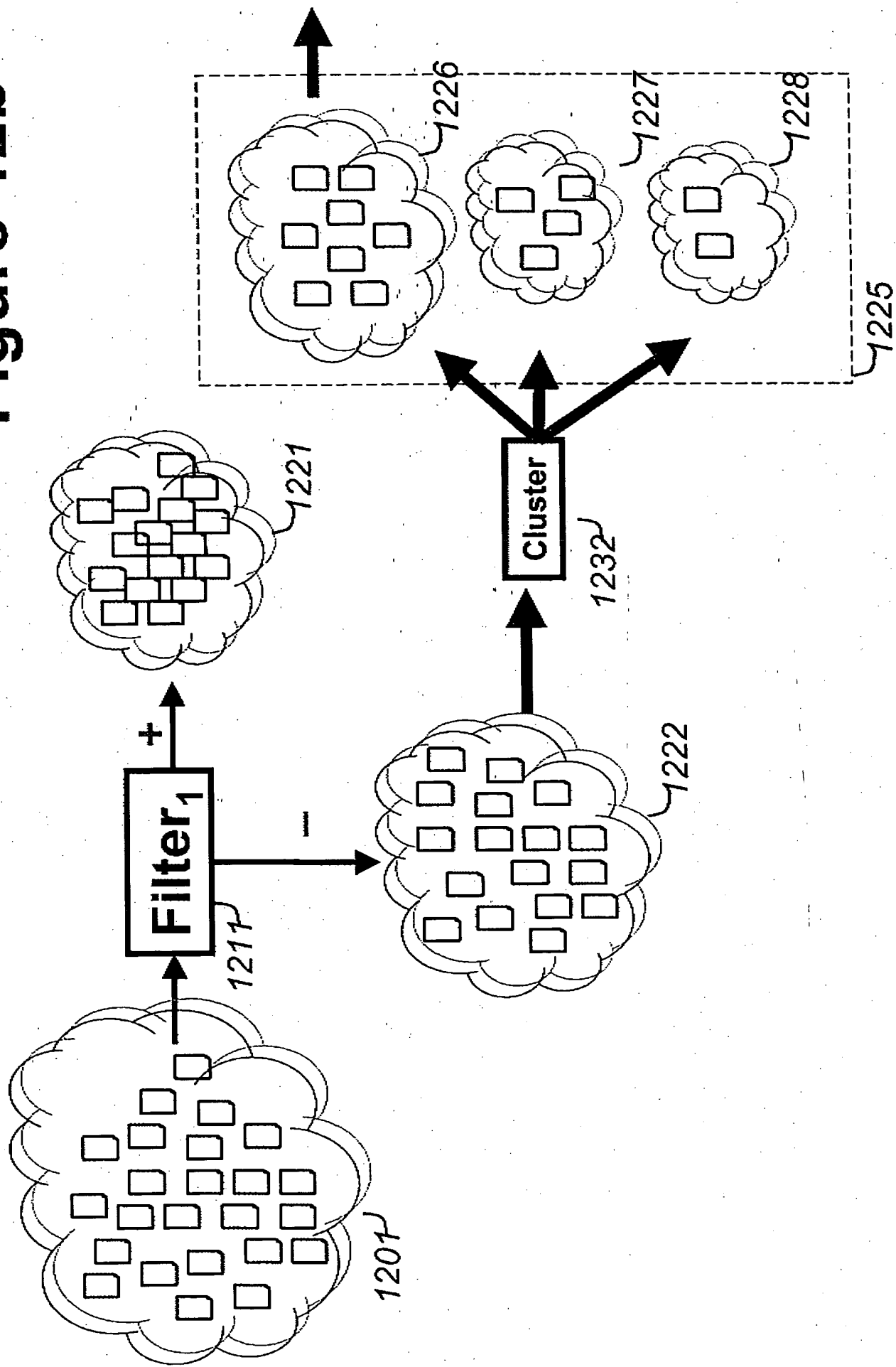


Figure 12c

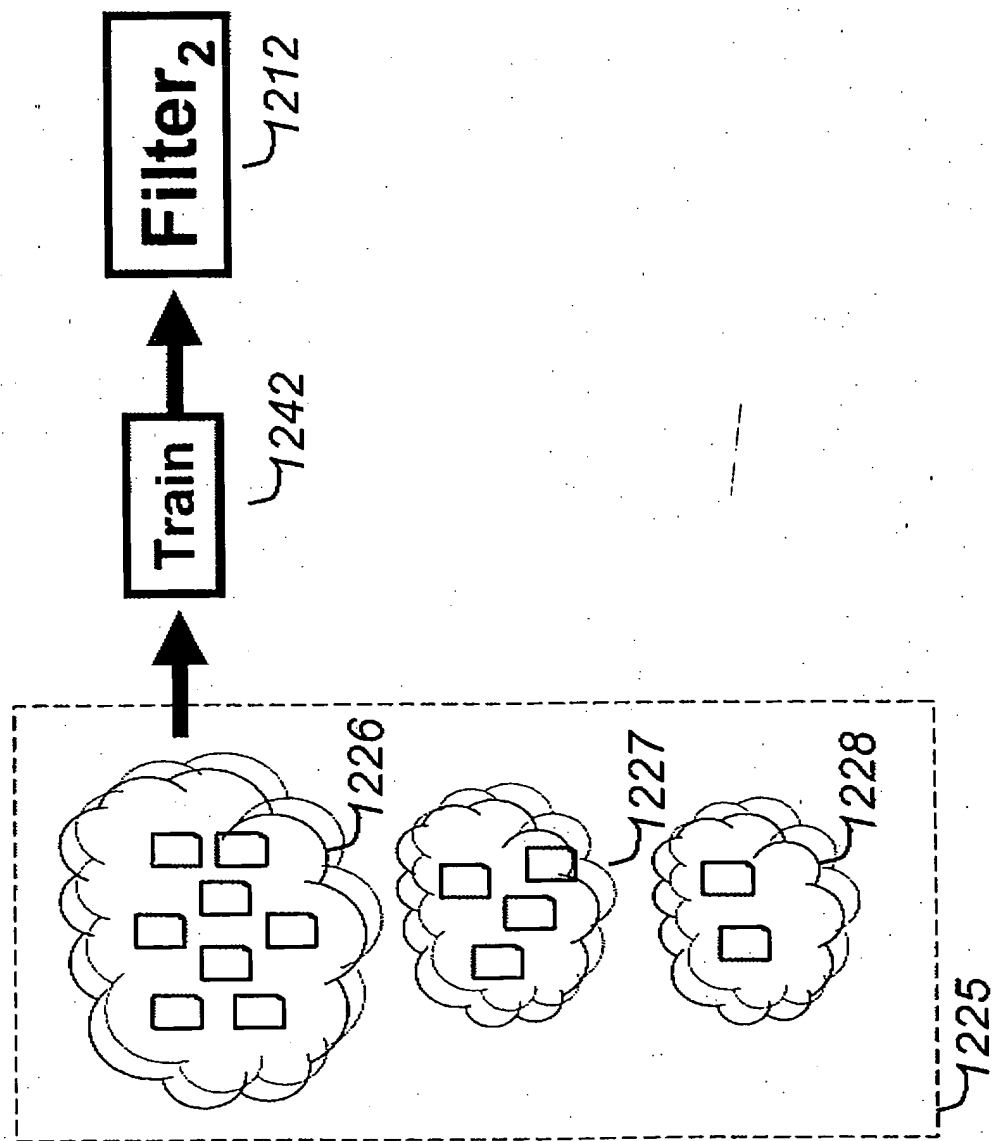


Figure 12d

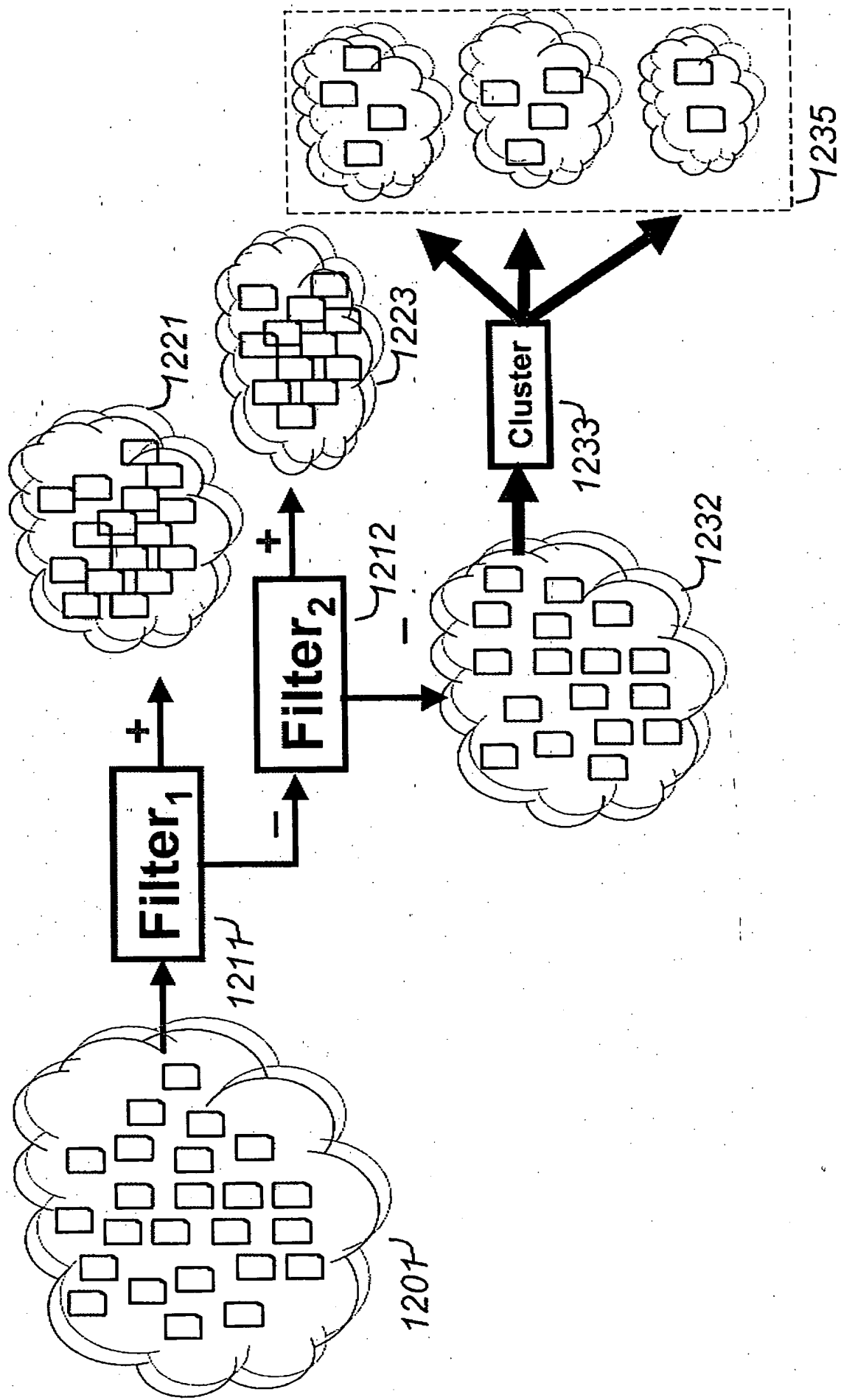


Figure 13

